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CENTRAL FAX CENTER

APR 27 2007

Amendment and Remarks
Appl. No. 10/800,142
Page 2 of 11**Amendments to the Specification**

Please replace paragraph [0035] with the following amended paragraph:

[0035] Referring now to FIG. 7, another example hydronic heating system 300 is shown. System 300 including a heating appliance 312 that includes a combustion chamber enclosure 330, an outer enclosure 370, and a heat exchanger 314. The combustion chamber enclosure 330 includes top and bottom panels 332, 334, at least one side panel 336, and a rear panel 340 that define a combustion chamber 342. A burner 348 is positioned in the combustion chamber 342 and functions as a heat generating unit. A co-axial vent 345 provides an exhaust vent 346 for exhausting combustion gases out of the combustion chamber 342, and a combustion air vent 347 that provides a fresh combustion air flow B into the combustion chamber enclosure 342 for combustion of fuel at the burner 348. The combustion chamber enclosure 330 includes an inner surface 395 and an outer surface 390.

Please replace paragraph [0038] with the following amended paragraph:

[0038] Referring now to FIG. 8, another example hydronic heating system 400 is shown and includes a heating appliance 412 and a heat exchanger 414. The heating appliance 412 includes a combustion chamber enclosure 430 having top and bottom panels 432, 434, first and second side panels 436, 438, and a rear panel 440 that define a combustion chamber 442. Heating appliance 412 includes an exhaust 446 and a burner 448 that functions as a heat generating unit. The heat exchanger 414 includes a plurality of liquid-filled conduit coils 450 embedded within a panel 460 that is coupled to the top panel 432 within the combustion chamber 442. In other embodiments, the heat exchanger 414 may be coupled to any of the combustion chamber enclosure panels 432, 434, 436, 440 within the combustion chamber 442, or two or more heat exchangers may be coupled to separate panels of the combustion chamber enclosure 430 within the combustion chamber 442. The heat exchanger of the heating appliance 400 is configured to absorb heat generated in the combustion chamber 442 into liquid held in the liquid-filled conduits 450 for transport to a remote heat exchanger. The combustion chamber enclosure 430 includes an inner surface 495 and an outer surface 490.